## INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2006/000011

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: H01L 23/34 (2006.01), H01L 33/00 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H01L 23/34 (2006.01), H01L 33/00 (2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Databases: Delphion, Esp@cenet

Keywords: thermally, electrically, conductive, layers, thermally conductive substrate, electrically conductive, electronic devices, led, interconnect, heat sink

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
X Y	US 6194246 (27-02-2001) Anderson et al. col. 3, line 7 - col. 6, line 39, col. 6, line 59 - col. 7, line 49, fig. 8 & 9	1-11, 16-18 14			
Y	US5903583 (11-05-1999) Ullman et al. col. 1, line 10 - col. 4, line 24	14			
Α	US6159764 (12-12-2000) Kinsman et al. abstract	1-18			
<b>A</b>	US6150716 (21-11-2000) MacQuarrie et al. abstract	1-18			
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[ ] Furthe	er documents are listed in the continuation of Box C. [x] See patent family	y annex.			

[ ] I	Further documents are listed in the continuation of Box C.	[x]	See patent family annex.			
* "A"	Special categories of cited documents:  document defining the general state of the art which is not considered	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
"E"	to be of particular relevance earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art			
"O" "P"	document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	. "&"	document member of the same patent family			
Date	Date of the actual completion of the international search		Date of mailing of the international search report			
5 Ma	5 May 2006 (05-05-2006)		10 May 2006 (10-05-2006)			
Canad Place 50 Vi	e and mailing address of the ISA/CA dian Intellectual Property Office du Portage I, C114 - 1st Floor, Box PCT ictoria Street		orized officer alie Gill (819) 934-5143			
Gatin	eau, Quebec K1A 0C9		,			

Facsimile No.: 001(819)953-2476

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/CA2006/000011

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